

Amendments to the Specification

Please enter the following changes to the specification:

- 5 Replace the paragraph which begins at page 9, line 5, with the following revised paragraph:

“An upper load cell-mounting u-bracket 60 is secured to the universal joint assembly 43 at its lower body 52 by means of a clevis pin 62 secured by a cotter pin 64. U-bracket 60 has a horizontal leg 66 extending therefrom. One end of a load cell 70 in the form of a planar beam sensor is secured to leg 66 by means of a first compression clamp 72. The opposite end of load cell 70 is secured to leg 76 of lower u-bracket 78 by second compression clamp 79. Thus, downward force on lower u-bracket 78 will produce an electrical signal from planar beam sensor load cell 70 which measures the magnitude of the force. The wiring harness 73 of planar beam sensor load cell 70 is connected to circuit board 38.”

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Replace the paragraph which begins at page 10, line 14, with the following revised paragraph:

“Probe 90 houses a flexible temperature probe string 110 which passes downwardly through open central passage 92. A plurality of temperature sensors 112 are spaced along temperature probe string 110 for measuring the temperature of the liquid contents at spaced levels. In the preferred embodiment, the sensors 112 are spaced so that they are suspended at the 5%, 35% and 65% of tank height levels within the tank. Each sensor 112 communicates separately with a signal connector 114 located at the upper end of temperature probe string 110. Connector 114 plugs into circuit board 38 at temperature plug-in 39. This plug-in connection is adequate to

support the temperature probe string 110 [100], because of its light weight.”

Replace the paragraph which begins at page 11, line 4, with the following revised paragraph:

5 “The data conveyed from the load cell 70 to circuit board 38 through wiring harness 73, and
the temperature data coming to the board through connector 114, is communicated externally of
the tank to a microprocessor housed in control box 120 secured atop flange. The microprocessor
calculates the volume of contents in the tank from: (1) the apparent probe weight data from load
cell 70, compensated for air temperature surrounding load cell 70 as measured by temperature
10 sensor 41; (2) the liquid temperature data from temperature probe string 110; and (3) the
specific gravity curve^f for the stored liquid. Control box 120 also houses a radio frequency
transmitter/receiver which can transmit the data to a master computer. This eliminates the need
for a power hook-up within the hazardous area of the tank, as the microprocessor and radio may
be conveniently^o operated on safe battery power.

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[End of Amendments to Specification]